

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Cancelled)
2. (Previously Presented) The apparatus of claim 23, wherein the drive means comprises:
a coupling; and
a lead screw attached to the coupling, wherein a rotation of the lead screw in a first direction is operable to move the fold rollers against the fold blade.
3. (Previously Presented) The apparatus of claim 23, wherein the fold blade includes a rounded folding surface.
4. (Original) The apparatus of claim 3, wherein at least one of the size and shape of the rounded folding surface is adjustable.
5. (Original) The apparatus of claim 2, comprising:
a housing to which the fold rollers are rotatably mounted, wherein the housing is attached to the coupling.

6. (Original) The apparatus of claim 5, wherein the pinch foot is elastically mounted to the housing.

7. (Original) The apparatus of claim 6, wherein each fold roller comprises:

multiple sub-rollers.

8. (Original) The apparatus of claim 7, wherein the pinch foot is positioned in a space between two sub-rollers.

9. (Previously Presented) The apparatus of claim 23, wherein the fold blade is positioned in a plane which passes between the fold rollers.

10. (Previously Presented) The apparatus of claim 23, wherein the housing comprises:

two fold flaps for forcing a sheet material around the fold blade.

11. (Original) The apparatus of claim 10, wherein the fold flaps are pivotably biased towards each other.

12. (Original) The apparatus of claim 10, wherein the fold rollers are rotatably mounted on the fold flaps such that the fold rollers are biased towards each other.

13. (Previously Presented) The apparatus of claim 23, wherein the drive means moves the fold roller along linear path orthogonal to the sheet material to be folded.

14. (Canceled)

15. (Previously Presented) The method of claim 21, wherein the fold is formed by moving the fold rollers relative to the fold blade such that the fold blade and the sheet material pass between the fold rollers.

16. (Previously Presented) The method of claim 21, wherein the feeding step comprises the step of:

guiding the sheet material past the fold blade with a guide.

17. (Original) The method of claim 16, wherein the guide moves away from the fold blade as the fold is formed.

18. (Previously Presented) The method of claim 21, comprising the step of:

scoring the sheet material with a scoring roller.

19. (Previously Presented) The method of claim 21, wherein each fold roller comprises:

multiple sub-rollers, wherein a cumulative length of the sub-rollers and spaces between the sub-rollers is at least the length of a desired fold.

20. (Previously Presented) The method of claim 21, wherein each of the fold rollers rotate about the axis in a first direction and in a second direction.

21. (Previously Presented) A method for folding a sheet of material, comprising the steps of:

feeding a sheet material into an area between two fold rollers and a fold blade;

clamping the sheet material against the fold blade with a pinch foot; and moving the fold rollers and the fold blade relative to one another to form a fold in the sheet using the fold blade, wherein the fold rollers rotate about an axis parallel to a longitudinal axis of the fold blade,

wherein the pinch foot retracts into a housing and maintains a pressure against the fold blade as the fold rollers and the fold blade move relative to one another and wherein the pinch foot is stationary with respect to a longitudinal axis of the fold blade.

22. (Previously Presented) The apparatus of claim 23, wherein each of the fold rollers rotate about the axis in a first direction and in a second direction.

23. (Previously Presented) An apparatus for folding sheet material, comprising:

a fold blade;

two fold rollers;

a pinch foot for clamping against the fold blade; and

drive means for moving at least one of the fold blade and the fold rollers into operable communication with one another, wherein each of the fold rollers rotates about an axis parallel to a longitudinal axis of the fold blade,

wherein the pinch foot retracts into a housing and maintains a pressure against the fold blade as the fold rollers and the fold blade move relative to one another and wherein the pinch foot is stationary with respect to the longitudinal axis of the fold blade.